

MATERIAL SAFETY DATA SHEET

CAPITAL LUMBER COMPANY

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TRADE NAME: Wood Dust
SYNONYMS: None
CAS. NO.: None
DESCRIPTION: Particles generated by any manual or mechanical cutting or abrasion process performed on wood.

PHYSICAL DATA

Boiling Point Not Applicable
Specific Gravity Variable
(Dependent on wood species and moisture content).

Vapor Density Not Applicable
% Volatiles of Volume Not Applicable
Melting Point Not Applicable
Vapor Pressure Not Applicable
Solubility in H₂O (% by wt.) . . . Insoluble
Evaporation Rate
(Butyl Acetate-1) Not Applicable
pH Not Applicable
Appearance & Odor . Light to dark colored granular solid
Color and odor are dependent on the wood species and time since dust was generated.

FIRE & EXPLOSION DATA

Flash Point Not Applicable
Autoignition Temperature Variable
(typically 400-500°F)
Explosive Limits in Air . 40 grams M³ (LEL)
Extinguishing Media . . . Water, CO₂, Sand
Special Fire Fighting
Procedures Wet down with water
Wet down wood dust to reduce the likelihood of ignition or dispersion of dust into the air.
Remove burned or wet dust to open area after fire is extinguished.

Unusual Fire &
Explosion Hazard Strong to severe explosion hazard
(If wood dust "cloud" contacts an ignition source)

HEALTH EFFECTS DATA

Exposure Limit ACGIH TLV^(R):
TWA-5.0 mg/m³;
STEL (15 min.) -10 mg/m³
(softwood) TWP-1.0 mg/m³
(certain hardwoods such as beech and oak)
OSHA PEL
— No current PEL

Skin & Eye Contact Eye Irritation & Allergic Contact Dermatitis
(Wood Dust can cause eye irritation. Various species of wood dust can elicit allergic contact dermatitis in sensitized individuals.

Ingestion Not Applicable

Skin Absorption Not known to occur

Inhalation May cause:
Nasal dryness, irritation & obstruction. Coughing, wheezing, & sneezing, sinusitis & prolonged colds have also been reported.

Chronic Effects May cause:
Wood dust, depending on species, may cause dermatitis on prolonged, repetitive contact; may cause respiratory sensitization and/or irritation. Prolonged exposure to wood dust has been reported by some observers to be associated with nasal cancer. Wood dust is not listed as a carcinogen by IARC, NTP, ACGIH or OSHA.

MATERIAL SAFETY DATA SHEET CONTINUED

REACTIVE DATA

Conditions Contributing
to Instability Stable
under normal conditions

Incompatibility Avoid contact with:
oxidizing agents, drying oils
& flame. Products may ignite at
temperatures in excess of 400°F.

Hazardous Decomposition
Products Thermal-oxidative
degradation of wood
produces:
irritating & toxic fumes
& gases, including CO,
aldehydes and inorganic acids.

Conditions contributing
to Polymerization Not Applicable

PRECAUTIONS & SAFE HANDLING

Eye Contact Avoid

Skin Contact Avoid
repeated or prolonged contact
with skin. Careful bathing & clean
clothes are indicated after exposure

Inhalation Avoid
repeated or prolonged
breathing of wood dust
in air.

Oxidizing Agents
& Drying Oils Avoid contact

Open Flame Avoid

GENERALLY APPLICABLE CONTROL MEASURES

Ventilation Provide:
adequate general & local exhaust
ventilation to maintain healthful
working conditions.

Safety Equipment Provide & Wear:
goggles or safety glasses. Other
protective equipment such as gloves
& approved dust respirators may be
needed depending upon dust conditions

EMERGENCY & FIRST AID PROCEDURES

Eyes Flush with water
to remove dust particles.
If irritation persists, get
medical attention.

Skin Get medical advice
if a rash or persistent
irritation or dermatitis occur,
and before returning to work
where wood dust is present.

Inhalation Remove to fresh air &
get medical advice if persistent
irritation, severe coughing,
breathing difficulties occur,
before returning to work where
wood dust is present.

Ingestion Not Applicable

SPILL/LEAK CLEAN-UP PROCEDURES

Recovery or disposal Clean-up:
Sweep or vacuum spills for
recovery or disposal; avoid
creating dust conditions.
Provide good ventilation where
dust conditions may occur.
Place recovered wood dust
in a container for proper
disposal.

DISCLAIMER

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